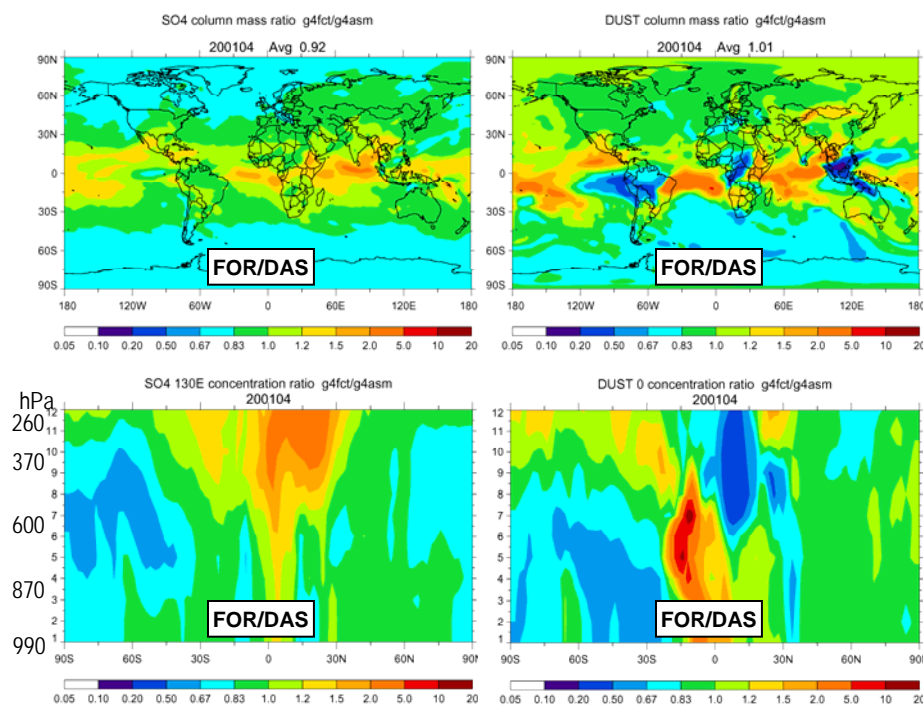


Preliminary results of GOCART aerosol simulations with the GEOS-4 assimilated and forecast fields

Conclusions

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- Simulations with assimilated and “band aid” 12-18 hr forecast met fields show noticeable differences in aerosol distributions, with forecasted aerosols higher in the tropics but lower in the extra tropics
- This is mainly due to the differences in the convection and precipitation met fields
- AOT from the forecast met fields agrees somewhat better with the AERONET measurements than that from the assimilated met fields for 200104



Comparison with AERONET AOT 200104

closed circles: tropics Open circles: extratropics

